

How to Use Scripting to Automatically Populate Mailbox Manager

<https://campus.barracuda.com/doc/45712540/>

Section 1. Barracuda ArchiveOne Version 7.0 and Higher.

This section assumes you have some scripting skills and a familiarity with PowerShell and Active Directory (AD).

You can auto-populate the list of users/mailboxes in the ArchiveOne Mailbox Manager node. This is useful if your organization has a large number of users or have numerous users that join/leave the organization. Instead of managing users in the ArchiveOne Admin console, you can add or remove users from AD groups or organizational units (OUs). In the latest version of ArchiveOne, the integration framework is compiled with .NET v4.5. You can use PowerShell, or another .NET v4 compatible language to script the Mailbox Manager population.

The following steps describe a standard approach to populating the Mailbox Manager:

1. Create a **Mailbox Manager** object.
2. Populate the **Mailbox Manager** with all users in the AD groups and OUs you want to include in the Mailbox Manager.
3. For each user, update or insert the user into the Mailbox Manager using the API.

For example, in PowerShell:

```
Add-type -path "C:\Program Files
(x86)\Barracuda\ArchiveOne\SDK\C2CSystems.ArchiveOne.Policy.dll"
$mailboxManager = New-Object "C2CSystems.ArchiveOne.Policy.MailboxManager"
$objOU = Get-ADUser -SearchBase "CN=Users,DC=whatever,DC=com" -Filter *
ForEach($objUser in $objOU)
{
    if($objUser.UserPrincipalName -ne "")
    {
        $mbID = $mailboxManager.GetID($objUser.UserPrincipalName)
        if(($mbID -ne $null) -and ($mbID -ne ""))
        {
            $mb = $mailboxManager.CreateMailbox($mbID)
            $mb.Enabled = $true
            $mb.RepositoryName = "Year_2016"
            $mb.CreateSearchFolder = $true
            if(!$mb.AddSearchUser($objUser.UserPrincipalName))
            {

```

```
        "Could not add " + $objUser.Name + " as a search user"
    }
    if($mailboxManager.UpdateMailbox($mb))
    {
        "Successfully added user : " + $objUser.Name
    }
    else
    {
        "Failed to add user : " + $objUser.Name
    }
}
}
```

Section 2. Barracuda ArchiveOne Version 6.6 and Earlier

This section assumes you have some scripting skills and a familiarity with VBScript and AD. For more information on the API used, open the **SDK** folder in the installation directory, by default **C:\Program Files (x86)\Barracuda\ArchiveOne\SDK**.

Alternatively, you can download the sample script [ActiveDirectoryIntegration.txt](#).

In older versions of ArchiveOne, VBScript can be used.

Keep a list of any users that cannot be inserted into the **Scripting Dictionary**.

1. Create a **Scripting Dictionary** object.
2. Populate the **Scripting Dictionary** with all users in the AD groups and OUs you want to include in the Mailbox Manager.
3. For each user listed in the **Scripting Dictionary**, update or insert the user into the Mailbox Manager using the API.

For example:

```
Set objDic = CreateObject("Scripting.Dictionary")
Set objFail = CreateObject("Scripting.Dictionary")
Set objOU = GetObject("LDAP://OU=Users,DC=domain,DC=com")
For each objMember in ObjOU
    Select Case LCase(objMember.Class)
        case "user"
```

```
If not(objDic.Exists(LCase(objMember.distinguishedName))) Then
    objDic.Add LCase(objMember.distinguishedName), objMember
End If

case else
' do nothing it was not a user object
End Select
Next

' Now update the users into Mailbox Manager
Dim myArray, mb, mbm, mbID
Set mbm = CreateObject("C2CSystems.ArchiveOne." & sApp & ".MailboxManager")

For Each obj In objDic.Keys
    Set objUser = objDic.Item(obj)
    mbID = mbm.GetID(objUser.distinguishedName)
    Set mb = mbm.CreateMailbox(mbID)
    mb.Enabled = True
    mb.RepositoryName = "My repository"
    mb.CreateSearchFolder = true
    mb.AddSearchUser objUser.distinguishedName

    If Not(mbm.UpdateMailbox(mb)) Then
        objFail.Add LCase(objUser.distinguishedName), objUser
    End If
Next

' do something with objFail if needed
Set mb = Nothing
Set mbm = Nothing
```

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